# ADF&G TECHNICAL DATA REPORT NO. 23 (Limited Distribution)

STATE OF ALASKA
Jay S. Hammond, Governor



HABITAT CZM PROJECT 920 W. DIMOND ANGHORAGE, ALASKA **995**02

# REVISED ANADROMOUS STREAM CATALOG OF

SOUTHEASTERN ALASKA

Appendix B - District 2

Volume VI

Outside Area Survey Data

By: Paul Novak

1975

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EPARTMENT OF FISH AND GAME uilding, Juneau, Alaska 99801

James W. Brooks Commissioner

### ADF&G TECHNICAL DATA REPORTS

This series of reports is designed to facilitate prompt reporting of data from studies conducted by the Alaska Department of Fish and Game, especially studies which may be of direct and immediate interest to scientists of other agencies.

The primary purpose of these reports is presentation of data. Description of programs and data collection methods is included only to the extent required for interpretation of the data. Analysis is generally limited to that necessary for clarification of data collection methods and interpretation of the basic data. No attempt is made in these reports to present analysis of the data relative to its ultimate or intended use.

Data presented in these reports is intended to be final, however, some revisions may occasionally be necessary. Minor revisions will be made via errata sheets. Major revisions will be made in the form of revised reports.

### REVISED ANADROMOUS STREAM CATALOG OF

#### SOUTHEASTERN ALASKA

Ву

Paul Novak
Alaska Department of Fish and Game,
Division of Commercial Fisheries / 1975
Ketchikan, Alaska;

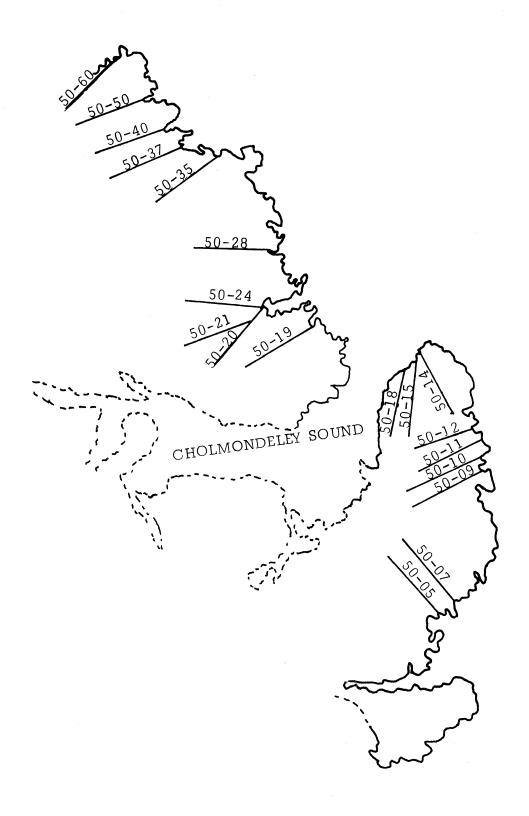
1975

Appendix B - District 2

(Volume VI)

Outside Area Survey Data

1. S.E. Alaska 2. Hydrology I. Mercy



## SUMMARY STREAM EVALUATIONS

# District 2

# Outside Area

NT C NT	Average	T	Aug. (Et 2)	M <sup>2</sup>	Spawning area (m <sup>2</sup> )	Available area (m²)	
Name & Number	width	Length	Area (Ft <sup>2</sup> )	IVI <sup>2</sup>	area (m²)	area (m²)	
French Harbor 102-50-05	35'	985'	34,446	3,200	50%	1,600	
Dutch Harbor 102-50-07	30'	4,500'	135,000	12,542	60%	7,525	
102-50-09	10'	375'	3,750	348	60%	209	
102-50-10	7'	450'	3,150	293	30%	88	
102-50-11	26'	525'	13,650	1,268	40%	507	
Halibut Creek 102-50-12	NO SP	AWNING PO	OTENTIAL				
102-50-14	3'	690'	2,070	192	20%	38	
Chasina Anchorage	12'	1,050'	12,600	1,171	75%	878	
102-50-18	NO SP	AWNING PO	OTENTIAL				
102-50-19	3'	120'	360	33	30%	10	
102-50-20	2'	240'	480	45	75%	34	
102-50-21	31'	6,600'	204,600	19,007	75%	14,255	
Clover Creek 102-50-24	NO SP	AWNING PO	OTENTIAL				
Monie Lake 102-50-28	NO SP	AWNING PO	OTENTIAL				
Troller's Cove 102-50-35	16'	600'	9,600	892	50%	446	
Spiral Cove 102-50-37	NO SP	AWNING PO	DTENTIAL				
Kluanii 102-50 <b>-</b> 40	NO SI	PAWNING PO	OTENTIAL				

102-50-50

NO SPAWNING POTENTIAL

102-50-60

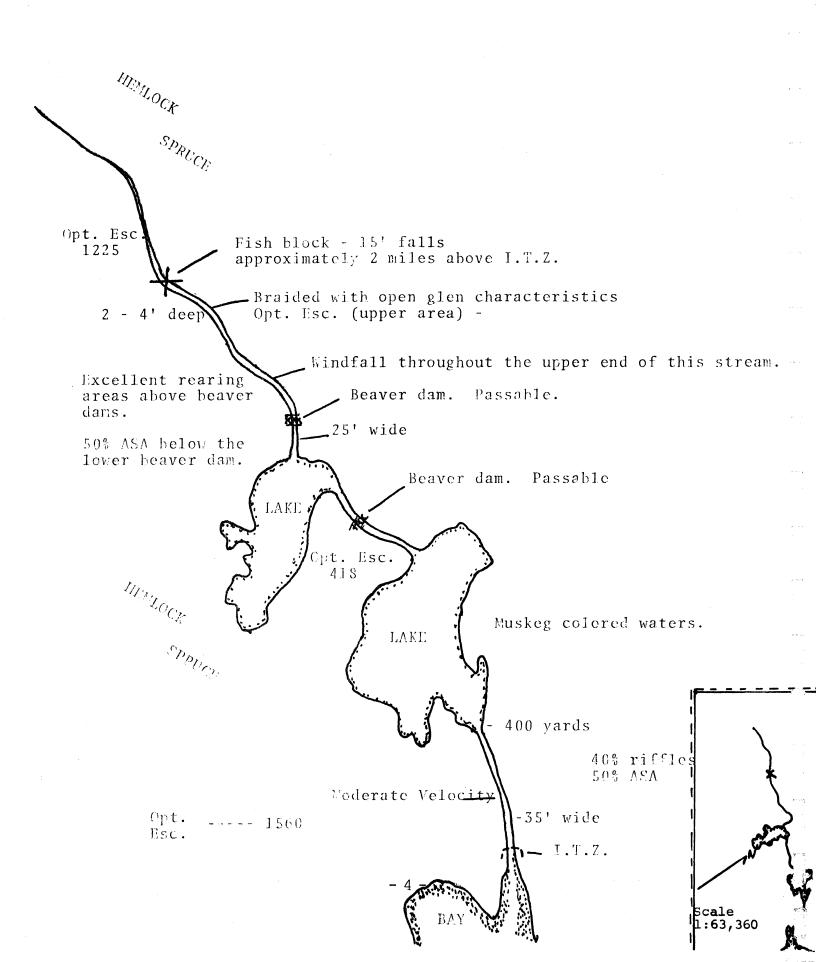
NO SPAWNING POTENTIAL

OUTSIDE AREA TOTAL

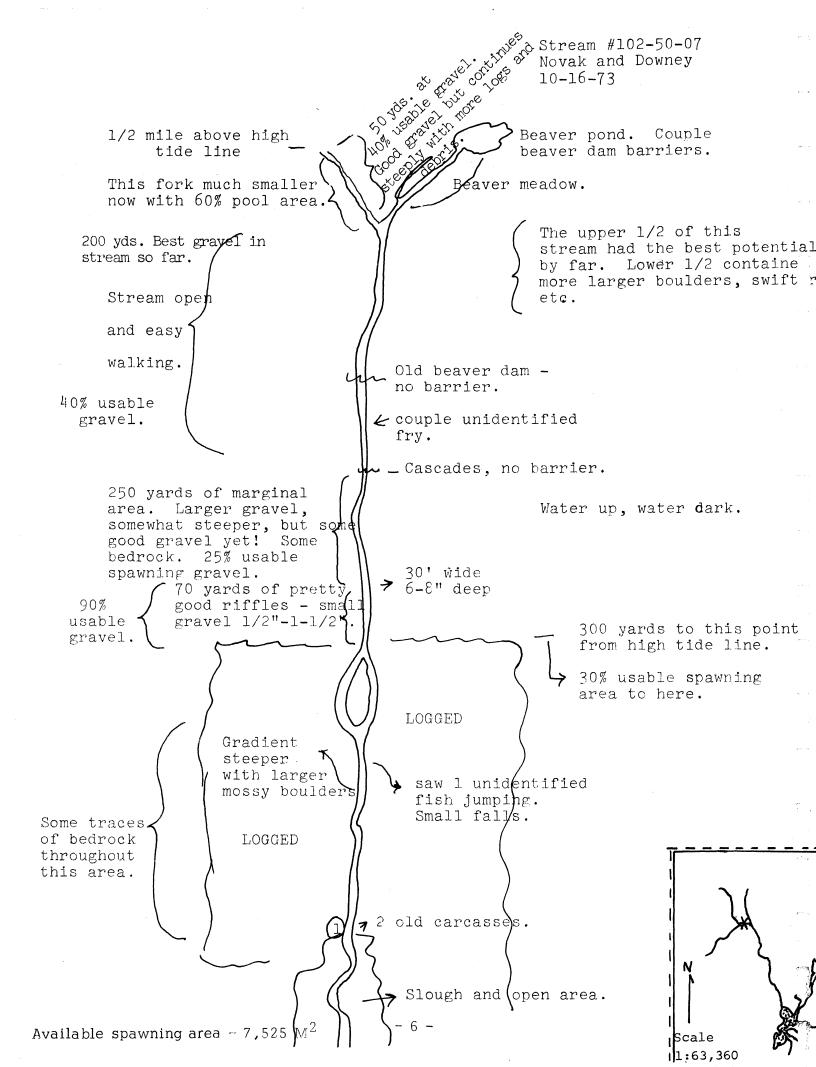
25,590

DISTRICT 2 AVAILABLE SPAWNING AREA TOTAL 1,172,303

French Harbor Creek 102-50-05 Novak, Larson September, 1974

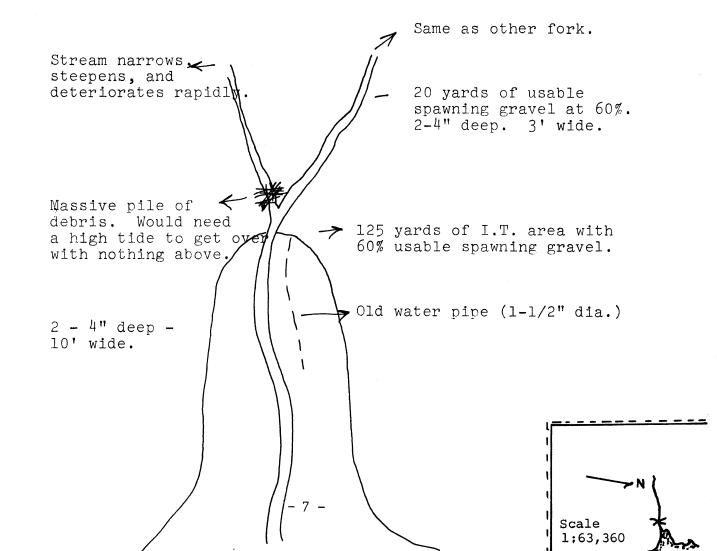


Name French	Harbor Creek Cata	alog No	102-50-05		
Latitude	N 55° 09' 46'' WR N W 132° 01' 38'' K No	10.			
Longitude	W 132° 01' 38'' K No	).		- Marie Control of the Control of th	
Geodetic Map	No. Craig A-1 Work  Johnson Wate  of Watershed 3.0 square	Area <u>Ketchi</u> l	an - Port Johnso	on	
Decinor Port	Johnson Wate	ersned Length	2.4 miles		
Water Sunnly	Type Lake system with symplem	miles ( polar pi	animeter)		
waret buppin	Type Lake system with supplemental control of the suppleme	lental supply fro	om runoff.		
Trails & Surv	ey Routes <u>Brushy streambanks</u>	but can survey	by walking in th	ne stream.	
Aerial Survey effect and muske	Notes The lower end is imposed colored waters.	sible to survey	from the air due	e to canopy	
Anchorage Po	oor anchorage for small boats du	ue to rock condit	ions Dolomi Ra	w has	
restricted large	e vessel anchorage.		TOTOM DOTOM	Ly	
Tide Stage Wh	en Surveyed Second half c	f ebb.			
FISHERY RESOU					
	Fisheries <u>Unknown - Possibl</u>	e chum, pink, co	ho, and sockeye	system.	
Escapement	Unknown awning area - 1,600 M <sup>2</sup>				
Species Com	mosition Iblance	<del>*</del> ,			
phecres com	position <u>Unknown</u>				
Timing Late	(based on Dolomi Creek escapem	ents)			
Schooling a	reas <u>Unknown but probably sch</u>	ool in the bay a	ssociated with t	he	
head of Frenc		10 01-4 C		1	
able I would	otential <u>Unknown, due to the</u> estimate the potential is low.	10W quality of	cran and cram on	abitat avail-	
Sport Fisheries Dolly Varden, cutthroat and salamonids normally using this system.					
				•	
Land Use at	Present None at present but	logging is plan	ned on the Cholm	ondel ey	
Sound Side, a	pproaching the headwaters of th	e creek.	11 •	1	
reached into	Land Use Not known, but mini this watershed.	ng interests for	gold in the are	a may nave	
Rehabilitat	ion Potential None necess	arv, as the beav	er dams are not-	harriers	
to fish migra	tions.				
Soils Sta	ble, but may be prone to high e	rosion if the u	pper lake and wa	tershed	
is disturbed	by land use alluvial soils.			***************************************	
GAME RESOURCES					
Bear	Fish carcasses or bones (old o	or fresh) on ban	ks, estimate _	0	
Cooro	Number of droppings			0	
Geese	Number seen on tide flats Number seen up creek		-	0	
	Number of broods seen			0	
Mallards	Number seen on tide flats		-	0	
	Number seen up creek			0	
	Number of broods seen			0	
	Number of broods seen			0	
Bald Eagles-	Number seen along creek			0	
Cools	Number of nests seen and loca		•	0	
	Number seen at mouth of stream	n		0	
riue riats -	Estimate length along beach Estimate depth out from beach			0	
	Eel grass present on what perc		en e <del>dito</del>	0	
	The Strong Interported Off Africa Pietr	2011/2 On 1 40000	Restriction	U	



Stream #700 Outside - between Moira and Cholmondeley 10-16-73 102-50-09

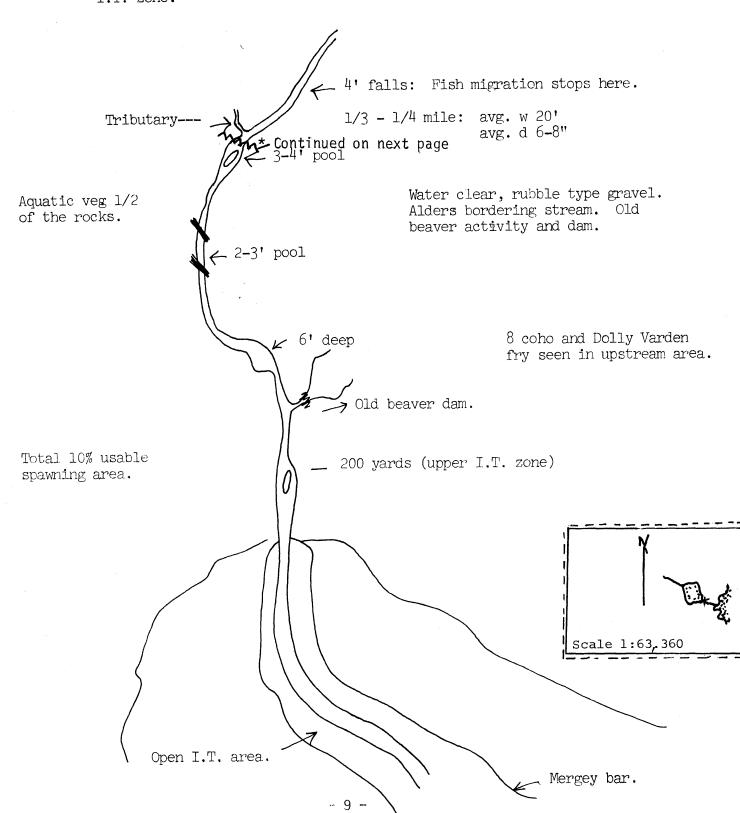
Small stream, 10' wide at the upper I.T. line. I.T. is the best area of the stream, being of fairly good gravel (1/2" - 1-1/2"). This stream has definite I.T. potential but no evidence of any utilization at all. Appears to be about normal flow.



Name		Catalog No. <u>102-50-09</u>	
Latitude N	55° 13' 14"	WR No.	
Longitude w 7	310 591 21"	A NO.	
Geodetic Map 1	No. <u>Ketchikan A-6</u>	work Area <u>Ketchikan</u>	-
Location s. of	entrance to Cholmondeley	Watershed Length	
Drainage Area			
water Supply	Type <u>Precipitation - ri</u>	moff and probably springs.	
Trails & Surve	ey Routes <u>No trails -</u>	walk up the stream.	
Anada I Common	Notes C. 11 -toppe of	the tag much expect any for poriol surroving	******
Rerial Survey	Notes Small stream with	th too much overstory for aerial surveying.	***********
Anchorage <u>Ir</u>	nside Cholmondeley Sound a	at Lancaster Cove or in Port Johnson.	
Tide Stage Wh	en Surveyed <u>1/3 tide</u>	and flooding.	
FISHERY RESOU	RCES		
	Fisheries <u>Unknown</u>		
Escapement_	Unknown	π2	
Availal Availa	<u>ble spawning area - 209 N</u> position <u>Unknown</u>	Д	
bpcozeb com	poor of order		
Timing Unk	nown		
Schooling a	reas Would be off the	mouth.	-
Challeigh D	atantial Almost zero	- would be limited to clams - or a few abalo	ne
on adjacent	rocks.	- Would be imited to claim of a few abates	
Sport Fishe	ries None		
Land Use at	Present None		
T. J. a. h. a. a. a. A.	Tond Line Name		<b>.</b>
History of	Land Use None		
Rehabilitat	ion Potential None -	too small	
,			
Soils Stab	le to the furthest point	walked.	<del></del>
			agia an againment
GAME RESOURCES		•	
Bear,		(old or fresh) on banks, estimate 0	
Cocco	Number of droppings Number seen on tide flat	<u>0</u>	
(C)	Number seen on tide ital Number seen up creek	0	
	Number of broods seen	0	
Mallards	Number seen on tide flat		<del></del>
	Number seen up creek	0	
	Number of broods seen	0	
Mergansers -	Number of broods seen	0	
Pald Eagles-	Number seen along creek	0	
	Number of nests seen and		
	Number seen at mouth of		ਰ o∓ ~
Tide flats -	Estimate length along be		Tars
	Estimate depth out from Eel grass present on who		
	Ther Stand bredain On Mile	SO POLICETO OF FERENCE	

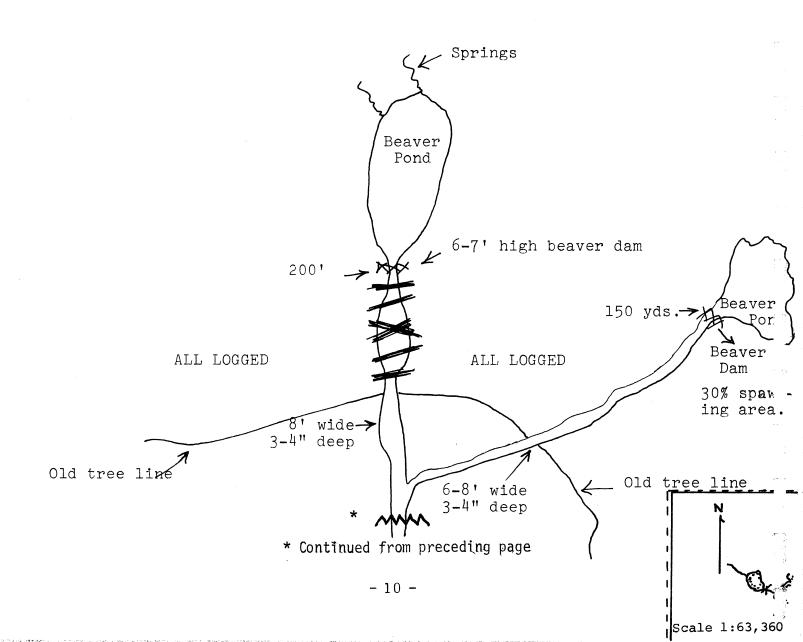
Stream # 102-50-10
Outside - between Moira
and Eholmondeley
Novak and Downey
10-16-73

200 yards of I.T. area with good spawning gravel. Found 1 coho opercle just above I.T. and saw several old redds in the upper I.T. zone.



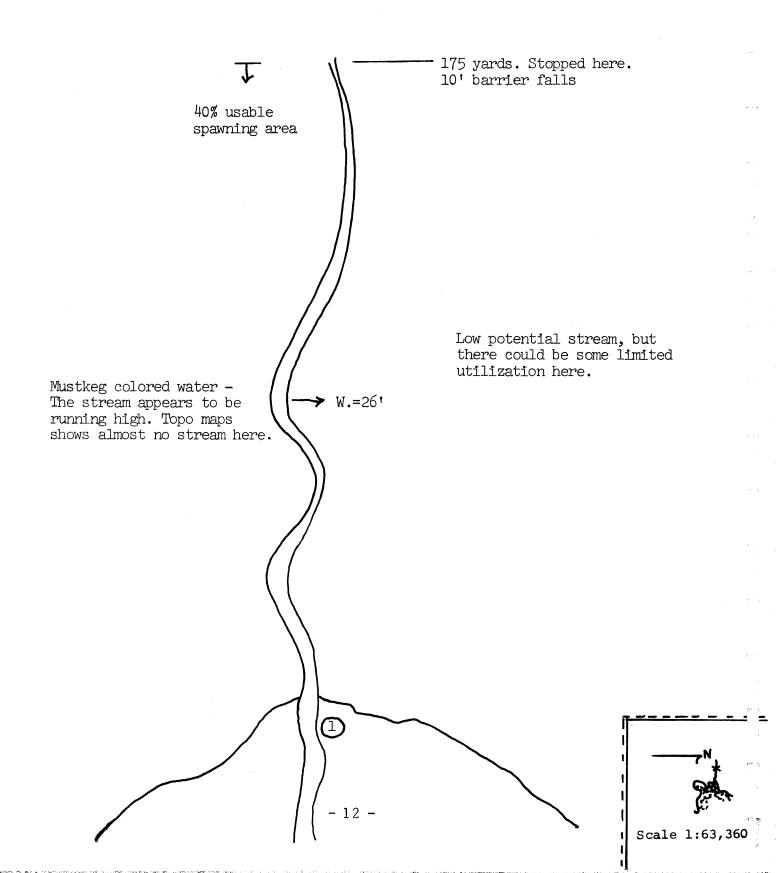
102-50-10 Stream #701 Outside - between Moira and Cholmondeley Downey and Novak 10-16-73

Very small stream. This watershed logged.



Name		Catalog No. 102-50-10	
T 1 1 7 3 3 7	55° 13' 33"	WR No.	•
Longitude W 1	31° 59' 09" No. Ketchikan A-6	1/ 1/0.	
	110 · ILCOOLLIAMI II	Work Area Ketchikan	•
Location S. of	entrance to Chclmondelev	Watershed Length	
Drainage Area	of Watershed		
Water Supply	Type Lake		
	•		
Trails & Surv	ey Routes No trails -	walk up the stream.	-
Aerial Survey	Notes Logged and all	open so could be surveyed from the air.	
Anchorage I	nside Cholmondeley Sound a	t Lancaster Cove, or in Port Johnson.	•
			-
		e and flooding.	-
FISHERY RESOL			
Commercial	Fisheries Unknown		-
Escapement	Unknown		-
Availah	le spawning area - 88 M <sup>2</sup>		-
Species Con	position Unknown		-
			•
Timing Un	known		_
Schooling a	reas Would be off the	mouth	-
Shollfish I	Potontial Almost zero	- intertidal is rocky.	-
OHETTITOH I	Ocencial named zero	THE TOTAL TO TOTAL	-
Sport Fishe	eries Unknown - probab	ly none	-
			-
Land Use at	Present None		_
History of	Land Use Logged		
11100013 01	Edita obe llegea		-
Rehabilitat	ion Potential None -	the portions of the stream available to suitab	ĺε
spawning ar	e still available - small	stream with limited potential anyway.	
Soils Flat	gradient and the stream b	anks seemed to be stable on the area surveyed.	_
			-
GAME RESOURCES			
		•	
Bear		(old or fresh) on banks, estimate 0	
~	Number of droppings	0	
Geese	Number seen on tide flat		
	Number seen up creek	0	
M-777-	Number of broods seen	0	
Mallards			
	Number seen up creek	0	_
Marson	Number of broods seen Number of broods seen		
Mergansers -	Number of broods seen Number seen along creek		
Dain Eagles-	Number seen along creek		
Spale	Number of nests seen and Number seen at mouth of		
	Estimate length along be		
11W) 11000 -	Estimate depth out from		
	Eal grass present on wha		-
		t productive was amoreted	

102-50-11 Stream #702 Outside - between Moira and Cholmondeley Novak and Downey 10-16-73

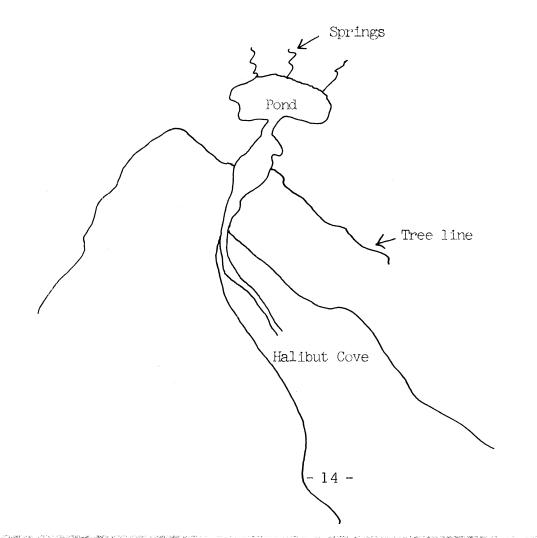


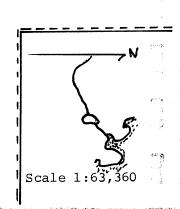
Name		Catalog No. <u>102-50-11</u>	
Latitude N	55° 14' 19"	WP Mo	
Longitude W 1	31° 59' 42"	K No. Work Area <u>Ketchikan</u> Watershed Length	
Geodetic Map	No.	Work Area Ketchikan	
Location S. of	entrance to Cholmondeley	Watershed Length	
Drainage Area	of Watersned		
Water Supply	Type <u>Precipitation - 1</u>	runoff and probably springs.	April 100 mars and the
Trails & Surv	ev Routes No trails	- walk up the stream.	
	110 010 010 010 010 010 010 010 010 010	wain up one boreams	
Aerial Survey	Notes <u>Discolored wat</u>	ter and dense overstory would make a	aerial
surveys impraction	able-also small stream.		
Anchorage In	nside Cholmondeley Sound a	at Lancaster Cove or in Port Johnson	1.
Tide Stage Wh	en Surveyed <u>1/2 ti</u>	le and flooding.	
FISHERY RESOU	RCES	· ·	
	Fisheries Unknown		
Escapement	Unknown		
Available	spawning area - 507 M <sup>2</sup>		
Species Com	position <u>Unknown</u>		
Timing U	nlanown		
Schooling a	reas Would be off the	mouth	
DOITOUTTING a	1 cab		
Shellfish P	otential Almost zero .	- would be limited to clams - or a	few abalone
on adjacent re	ocks.		
Sport Fishe	ries <u>None</u>		
Land Use at	Present none		
History of	Land Use None		-
niboory or	natic use Note		
Rehabilitat	ion Potential None - s	nall stream.	
•			
Soils St	able to the furthest poin	t walked (10' barrier falls)	
GAME RESOURCES			
Bear	Fish carcasses or bones	(old or fresh) on banks, estimate	0
alore for hydrody	Number of droppings	(old of fronty off bounds, obolingto	0
Geese		58	0
	Number seen up creek		0
	Number of broods seen		0
Mallards	Number seen on tide flat	os	0
	Number seen up creek		0
	Number of broods seen		0
Mergansers -	Number of broods seen		0
Bald Eagles-	Number seen along creek		0
***	Number of nests seen and		0
Seals	Number seen at mouth of	stream	. 0
Tide flats -	Estimate length along be		small flats
	Estimate depth out from		
	Eel grass present on who	at vercent of flats	-

102-50-12 Halibut Creek Between Moira Novak and Downey 10-16-73

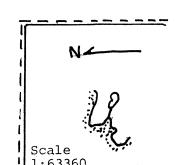
N 55° 14' 36" W 131° 59' 57"

A very small stream at the high I.T. area. This stream originates as springs from side hills surrounding the upper I.T. pond. Intergravel drainage at low tide to salt water.





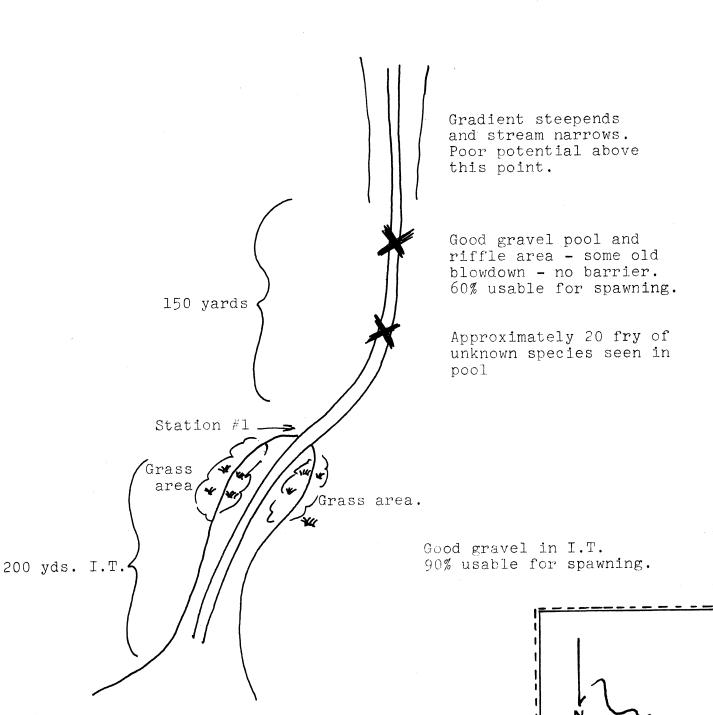
Very small stream with about 30 yards of I.T. which consists of small gravel and large rocks. 30% usable for spawning. Above I.T. stream runs for 200 yards through bedrock and large moss Lake covered rocks to a small lake. Fish could probably have access to the lake during Bedrock and large rocks heavy moss. 5% usable for spawning periods of high flow. Overall this stream has very poor Old dam. Looks to be man-made. potential. (cut logs & lumber) 200 yards 3' wide I.T. is small gravel and large rocks - 30% usable for spawning. 30 yds. I.T



Name None		Catalog No.	102-50-14	
Latitude N	55° 16' 30"	Catalog No	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	and the second section of the second
Longitude W	132° 01' 53"	K No.		And the second s
Geodetic Map	55° 16' 30" 132° 01' 53" No. Craig B-1	Work Area Ke	tchikan	
Location Choli	mondeley – near So. Entra	n <b>ce</b> latershed Len	eth	
Drainage Area	of Watershed			
Water Supply	Type LAKE			
Troils & Curr	Poutos No trails - 1	walls in the atroom		
Traits & par	ey Routes No trails -	waik up the stream		
Aerial Survey	Notes Stream too sma	ll with too much o	verstory for aeri	al surveying.
•	•			
Anchorage L	ancaster Cove.			
Tide Stage Wh	nen Surveyed Just sta	rting to flood.		
FISHERY RESOU		`		
	Fisheries Unknown			
Escapement	Unknown			
Availa	ble spawning area - 38 M	2		
Species Con	position <u>Unknown</u>			-
Timing Un	ZOOUM			
Schooling a	reas Would be off the	ne mouth	, Parallina andre and has a state from the state of the s	- Andrewson and the second
00110011110	nodes be off of	10 1100011		
Shellfish F	otential Almost zero	- verv rocky inter	tidal area.	
Sport Fishe	ries Unknown - could	<u>be fish in the la</u>	ke.	
Tand Hee at	Progent			
name obe at	Present None			
History of	Land Use None			ettletteretisteritister
Rehabilitat	ion Potential None:	= too small and fi	sh do have access	to the
	stream and lake.			
SOIIS Sta	ole banks and soils to the	e lake - flat grad	ient.	State of the state
ethological distribution and all this game and a spiritual man entrained with distributions.				
GAME RESOURCES				
	The calculation of the calculati	( 7 2 2 0 1 )		
Deal, more management	Fish carcasses or bones Number of droppings	(old or Iresh) on	banks, estimate	0
Geese		~ e		0
00000	Number seen up creek	)		0 0
	Number of broods seen			0
Mallards	Number seen on tide flat	S		0
	Number seen up creek			0
·	Number of broods seen			0
	Number of broods seen			0
Bald Eagles-	Number seen along creek	,		0
Prop I c	Number of nests seen and	diocation		0
	Number seen at mouth of			0
TIME LIMIS -	Estimate length along be Estimate depth out from			almost zero
	Eel grass present on wha		S	
	O	,	~	

102-50-15 Chasina Anchorage Cholmondeley Sound

Small stream with 200 yards of good gravel I.T. area. Above I.T. 150 yards of good area in which 20 fry were observed.



- 17 -

Name <u>Chasine Ar</u>	ochorage 55° 16' 02"	Catalog No	102-50-15	
Latitude <u>N</u>	150 16' 02"	WW WO.		
Geodetic Man	132° 02' 21" No. Craig B-1	Work Area Keto	hikan	
Location couth	ern Cholmondeley Entrance	Watershed Len	gth	
Drainage Area	of Watershed			
	Type <u>Precipitation - ra</u>	noff and probably		
	••			
Trails & Surv	ey Routes <u>No tra<b>ils</b> -</u>	walk up the stream	am.	
				-
	Notes <u>Above intertida</u>			<u>overstory</u>
for surve	ying. Lancaster Cove.			
Anchorage	ancaster Cove.			
Tide Stage Wh	en Surveyed Tide 4/5	out and ebbing.		
			de la companya de la	
FISHERY RESOU			• .	
	Fisheries <u>Unknow</u> n			
Escapement	Unknown - none observed	on 10-6-73	mana chaquenta catavari e conscene constitue en laquenta que en el Massenta en da prese papara que e	
Avai	lable spawning area - 878	3 N/I		*
	position · Unknown			
				······································
Timing La	te			
Schooling a	reas Off the mouth			
Chollfich D	otential Limited to	clams or a few du	ngenega graha	
pherritain t	Oteliciai <u>imilicea vo v</u>	CIAIID OI A ICW CA	recirent ciant.	
Sport Fishe	ries None			
			<del>ar an mandar mentapa an atau an antau a</del>	
Land Use at	Present None			
				and the same and t
History of	Land Use None		and a survivarior of the state	· · · · · · · · · · · · · · · · · · ·
Pohohilitot	ion Potential None	- stream is clear	of windfalls or ha	errier for
as far as fis	h would spawn.	Dolean ib olean	OI WINGIGHTS OF SC	11101 101
	e with a relatively flat	gradient.		
AND THE SECONDARY OF THE SECONDARY			empurativa diden editare e male di selectiva di distributiva di secondo e administrazione e e espera	
egit, egit aggetigin mynthing f. til, yydayyddi sallindir i'i 2 Amarin o'i 1964 a robb van				
GAME RESOURCES.				
	Think compagaes are homes	(073 and francis) and	a bandan ambanaba	•
Degal., seed to see about the seed of the	Fish carcasses or bones Number of droppings	(ord or tresu) or	l banks, estimate	0
Geese	Number of droppings  Number seen on tide flat	: Q		0
. accor	Number seen up creek			0
	Number of broods seen			0
Mallards	Number seen on tide flat	SS		0
	Number seen up creek	•		0
	Number of broods seen			0
	Number of broods seen			0
Bald Eagles-	Number seen along creek	· · · · · · · · · · · · · · · · · · ·		0
G	Number of nests seen and			0
	Number seen at mouth of			0
Tide Ilaus -	Estimate length along be			200 yards 10 yards
	Estimate depth out from Eel grass present on who		ra	
	The street of the party of Mik	to herecito or tra	,	

STREAM INVENTORY FORM

Name: Chasina Anchorage Number: 102-50-15

Downey, Lunth observers: Do Date: 10<u>-6-73</u>

Overcast - showers Date: 10-6-7 Temperature: Weather: Over

								+	_	-	-	-	
Station No.	r-l						· · · · · · · · · · · · · · · · · · ·						, amenananan
Pool Size/Type	1/2												
	12'												
Pool Riffle Prequency	, ,												
Sottom Type Riffle)	†												Miles regard a second
olor/Turbidity	7	-											
7elocity	. 2												
flow (C.F.S.)	.80												
lemp, (°F.)	45°												
H	6.0												
'ry Abundance	20-8												
Senthos Sample No.	l												
ligher Plant Jass	5												
Aquatic Veg. Jensity Ident. (1) Mosses (2) Algae	1 / 2												
КS	(rehab., land use,		barriers,	log ja	jams, et	etc.):							

102-50-18

Cholmondeley Sound

10-6-73

Smith, Downey

This very small stream appears to be only runoff after hard rain with very little potential, if any.

102-50-19 Cholmondeley Sound 10-6-73 Downey, Smith

N 55° 15' 27" W 132° 03' 39"

This is a small stream 2-3' wide with 30 yards of fair I.T. area which could support a few spawners, about 10 yards of gravel about I.T. could also support a few spawners. Overall very poor potential - 30% usable spawning area.

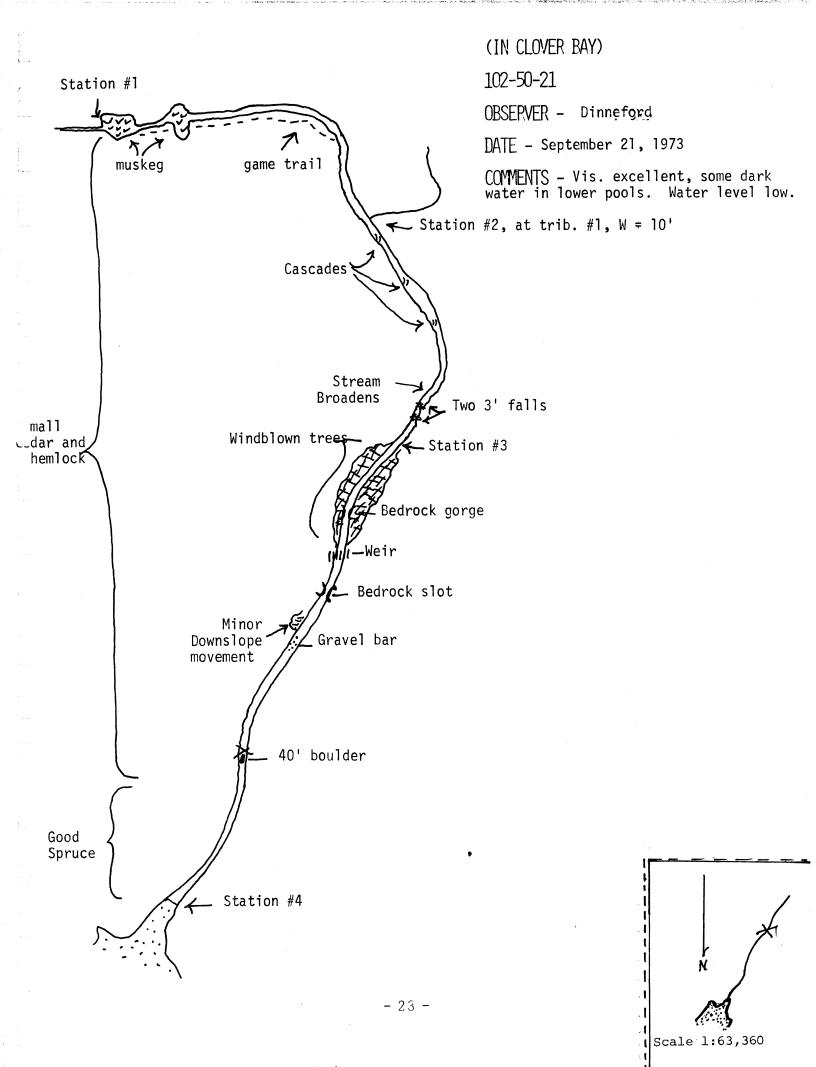
Available spawning area -  $10~\mathrm{M}^2$ 

102-50-20 Cholmondeley Sound 10-6-73 Downey - Smith

N 55° 15' 07" W 132° 04' 07"

This is a very small stream about 2' wide, with 40 yards of fair intertidal gravel area. Very little, if any, spawning potential

Available spawning area - 34 M<sup>2</sup>



Name Clover C	reek S.W.	Catalog No.	102-50-21	
Latitude N	55° 171 2111	WR NO. 137B		
Longitude W1	32° 10' 25''	K No. 157		
Geodetic Map	No. Craig B-1	Work Area Ke	tchikan	
Location S.W.	32° 10' 25'' No. Craig B-1 Head of Clover Bay	Watershed Lengt	h 6 miles	
Drainage Area	of Watershed 8.27 so	ı. miles		
Water Supply '	Type <u>Muskeg, Lake</u>			
Trails & Surve	ey Routes <u>Game trail ups</u>	troom fair walking	a along stroom in	lowon
portion.				
Aerial Survey	Notes Good for most o	of surveyed length.	Poorest above S	Station #3.
Anchorage Ju	st inside bay for larger v	essels, okay for s	kiff off mouth.	
Tide Stage Who	en Surveyed Flood.			
FISHERY RESOU				
	ROES Fisheries Pink, chum	· · · · <b>)</b> _		
Escapement	1973, 15,425			· · · · · · · · · · · · · · · · · · ·
Available spa	wning area - 14,255 M <sup>2</sup> position 85% pink, 15%			
Species Com	position 85% pink, 15%	chum		· · · · · · · · · · · · · · · · · · ·
Timing L	ate		·	
Schooling a	reas <u>Off creek mouth ir</u>	Clover Bay and in	scattered pools	unstream.
		·		
Shellfish P	otential <u>None, I.T. co</u>	mposed of course bo	oulders.	
Snort Fisha	nias Dolly Vardon			
photo traile	ries <u>Dolly Varden.</u>			
Land Use at	Present ADF&G rec	ipient stream.		
History of	Land Use <u>None known.</u>			
Rehabilitat	ion Potential <u>Load at</u>	ove station #3 too	course to afford	much
area for spaw	ning.			
Soils Most	ning. ly stable and level. 1/4	mile distance of w	<mark>indblown trees a</mark> n	d minor
downslope mov	ement upstream.			
GAME RESOURCES			•	
Bear management of the second	Fish carcasses or bones	(old or fresh) on b	anks, estimate	150
~	Number of droppings			0
Geese	Number seen on tide flats	3	•	0
	Number seen up creek			0
Mo 7 7 o sed e	Number of broods seen			0
Mallards	Number seen on tide flats	5		4
	Number seen up creek			0
Mongangong	Number of broods seen		1 matuma	·0
	Number of broods seen		1 mature up	
Bald Eagles-	Number seen along creek Number of nests seen and	location		<u>3</u> 0
Seals				0
	Estimate length along bea			$\frac{0}{1/4 \text{ mi.}}$
2200 22000	Estimate depth out from 1			30
	Eel grass present on what			

					ST	STREAM INVEN		Y FORM		유 유	Observers:	rs: D	Dinneford	ford		
	(Top of 5 acre	_	(At Trib-		Name:	ن ا	(C 102-50-21	<u>(Clove</u> r Bay) 21	r Bay)	A II W		ure: Lt.	56° rain	7:30	am	
	IIIdSNCB		)(Lall	5) (11-1-		-										
Station No.	Н	2	3	4												
Pool Size/Type	1/2	3/2	3/2	1												<del></del>
Riffle Type Width-Depth	10'W 7''D	25'W 12''D	27'W 12'D	35'W 8''D												
Pool Riffle Frequency	2	2	2	2.5												
Bottom Type (Riffle)	1/4	5		4/5/												
Color/Turbidity	2/1	2/1	2/1	2-3/1					·							
Velocity	2	2		2												
Flow (C.F.S.)																
Temp. (°F.)	54°	54°	52°	51°												
Hq	. 2	1	2	2												
Fry Abundance			8-1													
Benthos Sample No.																
Higher Plant Class	3	2/3	2/3	2												
Aquatic Veg. Density	3	П	2	2					and the same of the state of th	ardina ny mandria dia mandria						
Ident. (1) Mosses (2) Algae	r-4	2	2/1	2												

Nothing super above b. falls appr. 2 mi. up in the way of gravel, opt. esc., area, etc. No flow measurements taken. General Remarks (rehab., land use, barriers, log jams, etc.):

- 25 -

## PEAK ESCAPEMENT RECORD

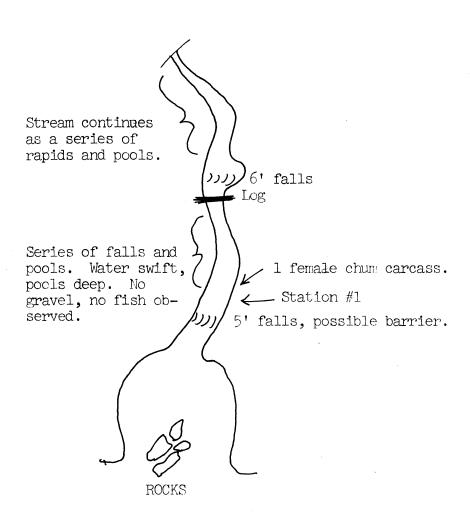
NAME:

cloyer Creek

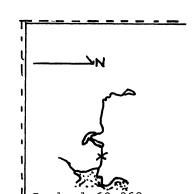
STREAM CATALOG NUMBER: 102-50-21

DATE	PINK	CHUM	OTHER SPECIES	REMARKS :
Oct. 7, 1930				Well seeded. Pink spent. 15,000 fish off mouth
Oct. 7, 1937				Good pink escapement. Bright chum. Many dead, mostly chum
Oct. 6, 1947				Good showing. Good early run of pink
Sept. 28, 1948	2,350	14,000		Good (G)
Sept. 18, 1952	300	800		250 chum, pink at mouth(G)
Sept. 20, 1953 <sup>.</sup>	2,000	1,500		75% fresh. 300-400 off mouth(G)
Season, 1955	5,000	100		Estimate
Sept. 2, 1956				4,000 estimated
Aug. 27, 1957	2,700			
Sept. 14, 1957		250		Few jumps in bay (G)
Sept. 6, 1962				No sign of fish in the bay, (A)
Aug. 15, 1963				800 fish at mouth. Stream very low poor for aerial survey. Nothing intertidally. (A)
Sept. 8, 1964				Vis. Excellent. 2 fish were seen at the mouth (A)
Aug. 25, 1965				750 pink at mouth (A)
Aug. 23, 1966	N.O.			Excellent vis. (A)
Aug. 13, 1967	N.O.			No showing in bay. (F)
Aug. 26, 1968	N.O.			(A)
sept. 12, 1970	400			(F)
Aug. 26, 1971				50 in intertidal area. Vis. poor(
Aug. 21, 1972	N.O.			Vis. very good
Sept. 21, 1973	14,	125		15% chum, 20% dead (F)
Sept. 5, 1974		50		Vis. Fair (A)
			- 26 -	

Clover Creek #120 102-50-24 10-12-73 Westlund



Tidal area deep with o flat. No fish or carcasses. Banks moderately steep, brush is thick. First 150 yards of stream is a series of small falls with fast pools. Bottom is large rocks, very slippery. Bear trail on right of stream.



Name Clover	Creek	Latalog No	102-50-24	:
Latitude 5	° 17' 35"	VR No. 137	7 C	
Longitude 132	No. Craig - B-1 Watershed 11.26	No. $\underline{Kl}$	58	
Geodetic Map	Vo. Craig - B-1 W	lork Area		
Location Clover	Bay - Rt. Head W	latershed Leng	th 5.5 miles	
Drainage Area	of Watershed 11.26	sq. miles		
* * *	· · · · · · · · · · · · · · · · · · ·			
Trails & Surv	 ey Routes <u>None - hard wa</u>	lking in stream.		
Aerial Survey	Notes Dark water - ba	rrier falls 250 y	vds upstream.	
Anchorage Goo	d anchorage in bay behind i	slands.		
Tide Stage Wh	en Surveyed <u>low - floo</u>	ding.		
FISHERY RESOU				
	Fisheries <u>Chum</u>			
Escapement_	Not known - probably ver	y small		
	10-12-73 = 1  chim			*
Species Com	position Not known			
Timing Lat	e			
Schooling a	reas In bay off mouth.	,		
Shellfish P	otential <u>None - no tida</u>	l flats		
Sport Fishe	ries <u>None</u>			
	Present None			
	· ·			
History of	Land Use <u>None</u>			
Dobobilitot	i an Datamtial			
renabilituat	ion Potential <u>Large sy</u>	stem, however, ur	per falls block a	ny salmon
runs. Soils Iar	ge areas of bedrock present	in lower stroom		The state of the s
	ne di edb of bedroen prebetto	TIT TOWEL BUTEAUL		
честь 10° в за учений постоя на чествення на постоя по постоя постоя постоя постоя постоя постоя постоя постоя				
GAME RESOURCES				
Bear	Fish carcasses or bones (o	ld or fresh) on i	nanks estimate	7 · ·
	Number of droppings	id of fresh, of t	James Chominoc	0
Geese	Number seen on tide flats		•	0
•	Number seen up creek		1	0
	Number of broods seen		•	0
Mallards	Number seen on tide flats		•	0
	Number seen up creek		· · · · · · · · · · · · · · · · · · ·	0
	Number of broods seen			0
Mergansers -	Number of broods seen			0
	Number seen along creek		•	0
	Number of nests seen and 1		•	0
	Number seen at mouth of st			. 0
Tide flats -	Estimate length along beac	h		0
	Estimate depth out from be	ach		0
	Eel grass present on what	percent of flats	•	0

				-		Name.						š Ē	Tempers	Temperature:	077	*		
•						Number		102-50-24	24	j i		M.	Weather:		rtly	cloudy	ly.	
		-		1	1		Ī						T	1	+	1	1	1
station No.	Н		Magazin e Carago y descri	***************************************	•						•							
. any Plants loca	2/2																	
1	251									•								
Fool Riffle Frequency	3																	
Sottom Type (Riffle)	4/5			•		1. 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1												
Color/Turbidity	1/1	-	-															
Jelocity	2													•				
Flow (C.F.S.)	63.99														•			
[emp', (°F.)	۰8 م																	
1.	5																	
Fry Abundance	1/1																	<u> </u>
Benthos Sample No.	Н											•						
iigher Plant Slass	. 2					<del>-</del>												
Aquatic Veg. Density Ident. (1) Mosses	2 1													erika kan direktaria kan bara da kan da kan bara d				THAT THE A SET THE PILE TO BE THE TO SET TO
1/3 2 3/4	(rehab.,	land	use,	barr	barriers,	log,	jams,	, etc.)										<b>(</b> -

Observers: West

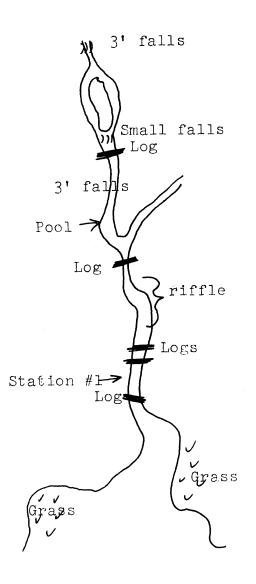
STREAM IN ORY

#121 Monie Lake 102-50-28 10-12-73

Stream 8' wide - approximately 6" deep - brownish. I.T. area small with no spawning area. Stream falls steeply with rocks and rapids through a moderately sloped ravine. No fish - no carcasses. Barrier approximately 30 yards above high tide.

#]22 Trollers Cove 102-50-35

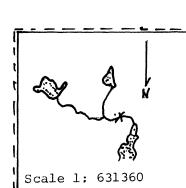
Medium sized tide flat - clam shells seen on outer edge. Stream flows through flat area from lake. No fish seen, no carcasses. Timber looks good - brush thick along sides.



Fish can probably not make it past last falls.

Stream narrows more and divides into channels.

Stream narrows and starts rising. Small series of falls and pools.



- 31 **-**

Name Trollers	Cove	Catalog No.	102-50-35	
Latitude 559	21! 28" 12! 26"	wa no none		
Longitude 132°	12' 26"	K No. <u>none</u>		
Geodetic Map	No. Craig - B-1	Work Area		
Location Clare	mce Sts S. Skowl Arm	Watershed Len	igth <u>1.25 mile</u>	s
Drainage Area	No. Craig - B-1 mce Sts S. Skowl Arm of Watershed 1.65 sq	. miles		
Water Supply	Type <u>Lake</u>			
Trails & Surv	ey Routes <u>none</u>		•	
IIdiib & buiv	cy nouces none			heite formalise and the extension of the contract of the contr
Aerial Survey	Notes Small falls 20	0 yards above H.T	. Possible barri	er to salmon.
Anchorage Ex	cellent anchorage in mair	part of cove.		
Tide Stage Wh	en Surveyed <u>Low - fl</u> c	oding		
FISHERY RESOU	RCES			
	Fisheries <u>Pink and chu</u>	m		
Escapement	Not known - no fish obser	ved 10-12-73	•	
Avail	able spawning area - 446	1\1/2		
Species Com	position Not known	•		
Timing Mi	ddle - est.		endre des des contigues des colleges en	
Schooling a	reas in cove off stream	mouth		
Shellfish P	otential <u>good <b>- c</b>la</u> m	s present insome	numbers at deep e	dge of flat
			1	-Co- of Tau
Sport Fishe	ries <u>none</u>			
Land Use at	Present <u>none</u>			
Til at any of	Tond Han			
HISCORY OF	Land Use <u>non</u> e			
Rehabilitat	ion Potential small s	tream - not verv	important.	
Solis Prob	ably stable. Banks not h	igh or steep.		
GAME RESOURCES				
Roan management	Fish carcasses or bones	(old on freah) or	a hanka oatimata	•
بهادیک این است	Number of droppings	(OLG OI TICSH) OI	i bains, escuiace	0
Geese	Number seen on tide flat	is		0
	Number seen up creek			0
	Number of broods seen	•		0
Mallards	Number seen on tide flat	S		4
	Number seen up creek			0
	Number of broods seen			0
Mergansers -	Number of broods seen			4 indiv.
~	Number seen along creek			1
	Number of nests seen and	l location		0
Seals	Number seen at mouth of			· 1
Tide flats -	Estimate length along be	each		$\frac{1}{8}$ mi.
	Estimate depth out from	beach		20 ft.
	Eel grass present on wha	it percent of flat	JS ,	10%

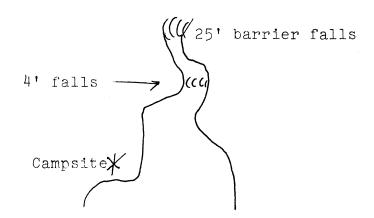
CHY PORM	- and and an address of the state of the sta
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STREAM	and other or day, or deal to the freed

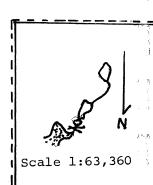
						STREAM	NM FINA	1	ONY FORM	×I		<b>Q</b> A	Observers: Westlur Date: 1-6-73	ers: V	Westlu 5-73		Joyner	)r
						Name: Number		102-50-35	-35		•	H 3	Temperature:	ature r:	art	44° Iy cloudy	ďy	
Statten No.																		!
Feel Sine/Type	2/2								·									
	16"															•		
Fool Riffle Frequency	7															•		
Sottom Type (Riffle)	. 4	·			. :						-							
Color/Turbidity	2/1		•	-											•			
Telocity	, ,									·								
Ploww(C.F.S.)	1.93																	
lemp. (°F.)	450													7	4.7	\		
НС	72					•												
ry Abundance	0																	
Benthos Sample Nó.	Н					• • • • • • • • • • • • • • • • • • •		1 (*) 1 (*) 2 (*)				·						
igher Plant	. 2				•	<del>.</del>												
iquatic Veg. Density Ident. (1) Mosses	2 / 1			•		· 14 1.									•	•		and the second section of the section of t
(2) Algae												- 1				•		}

denoral Remarks (rehab., land use, barriers, log jams, etc.):

#123 Spiral Cove 102-50-37 10-13-73 Westlund

No flat area. Stream goes right into bay. No fish observed no carcasses. Nice camping area on left of creek. Stream
about 15' wide - dark and fast. Bottom is rocks with little
gravel. Very pretty place.





#124 Kluanii 102-50-40 Westlund

No tide flat - bottom drops off fast. Stream located in steep valley with no commercial timber. No fish observed. No carcasses. Stream is 5' wide, 4-6" deep. Two barriers about 50 ft. above high tide.

#125 102-50-50 10-13-73 Westlund

Small tidal area - no grass flat - log laying across stream in I.T. zone. Gravel bar runs off left side of stream.

Mixed trees - hemlock, and cedar, some alders. Stream about 6' wide - shallow and fast moving - small rapids and pools. Bottom is rubble with a little gravel. Large log jam at high tide mark. Fish could only get up at high tide and high water. No fish observed.

#126 102-50-60 10-13-73 Westlund

Falls into saltwater. Stream 5' wide - 2-3" deep. No spawning area. No fish observed - no carcasses.

#### ACKNOWLEDGMENTS

Gerry Downey, Pink Salmon Research, provided much of the foot work during field surveys. The catalog library was kept current with the assistance of Sharon Peterson and Karen Crandall. Thanks is also extended to G.L. Finger, June Grant and J.C. McMullen for their assistance in publication and planning.

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